Title (en)

THIN FILM MAGNETIC HEAD

Publication

**EP 0480324 A3 19930616 (EN)**

Application

**EP 91116953 A 19911004**

Priority

JP 27451390 A 19901012

Abstract (en)

[origin: EP0480324A2] A magnetic head comprising a substrate (1), upper and lower magnetic films (2a, 2b) forming a magnetic circuit on the substrate, the magnetic circuit having a narrow portion forming a gap (6) for interacting with a recording medium (10), and a coil (3) surrounding the magnetic circuit and buried in an insulation layer between the upper and lower magnetic films. The magnetic films (2a, 2b) have a magnetic anisotropy with components of an in-plane (parallel to the magnetic film surface) magnetic anisotropy Hp and a perpendicular (perpendicular to the magnetic film surface) magnetic anisotropy Hv. The perpendicular magnetic anisotropy Hv is given to the magnetic films by utilisation of an inverse magnetostriction effect, an induced magnetic anisotropy or a crystalline magnetic anisotropy. <IMAGE> <IMAGE>

IPC 1-7

**G11B 5/31**

IPC 8 full level

**G11B 5/31** (2006.01)

CPC (source: EP KR US)

**G11B 5/127** (2013.01 - KR); **G11B 5/3113** (2013.01 - EP US)

Citation (search report)

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- [A] WO 8905505 A1 19890615 - DIGITAL EQUIPMENT CORP [US]
- [A] US 4944805 A 19900731 - NAKANISHI KANJI [JP]
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